

Title (en)  
AUTO-FOCUS IMAGE SYSTEM

Title (de)  
BILDSYSTEM MIT AUTOFOKUS

Title (fr)  
SYSTÈME D'IMAGES À MISE AU POINT AUTOMATIQUE

Publication  
**EP 2719162 B1 20160831 (EN)**

Application  
**EP 11735546 A 20110609**

Priority  
IB 2011052524 W 20110609

Abstract (en)  
[origin: WO2012168766A1] An auto focus image system that includes a pixel array coupled to a focus signal generator. The pixel array captures an image that has a plurality of edges. The generator generates a focus signal that is a function of a plurality of edge-sharpness measures measured from each of the plurality of edges. The generator compares a sequence of gradients across the edge with one or more reference sequences of gradients and/or reference curves defined by data retrieved from a non-volatile memory. The generator determines to reject or de-emphasize the edge from contributing to the focus signal on basis of finding dissimilarity between the sequence of gradients with the reference sequences or reference curves beyond a predetermined threshold.

IPC 8 full level  
**H04N 5/232** (2006.01); **G02B 7/36** (2006.01); **G03B 13/36** (2006.01)

CPC (source: EP GB US)  
**G02B 7/36** (2013.01 - EP GB); **G03B 13/36** (2013.01 - EP GB); **H04N 23/67** (2023.01 - EP GB US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012168766 A1 20121213**; **WO 2012168766 A8 20140130**; **WO 2012168766 A9 20140703**; BR 112013031316 A2 20161129; CA 2838821 A1 20121213; CN 103650473 A 20140319; CN 103650473 B 20180904; DE 112011105320 T5 20140403; EP 2719162 A1 20140416; EP 2719162 B1 20160831; GB 201321654 D0 20140122; GB 2505598 A 20140305; JP 2014521990 A 20140828; JP 5920608 B2 20160525; MX 2013014257 A 20140227; MX 340988 B 20160803; SG 195323 A1 20131230

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